

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	79467	((detect\$3 or determin\$3 or monitor\$3) with (fault\$1 or error or failure)) same (rate or speed)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/12/05 08:58
L2	340	((detect\$3 or determin\$3 or monitor\$3) with (fault\$1 or error or failure) with (splitt\$3 or demultiplex\$3)) same (rate or speed)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/12/05 10:13
L3	97	2 and "370"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/12/05 10:11
L4	2	2 and "709"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/12/05 10:03
L5	39	2 and "714"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/12/05 10:03
L6	3983	(detect\$3 or determin\$3 or monitor\$3) with (fault\$1 or error or failure) with increas\$3 with (rate or speed)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/12/05 10:09
L8	644	(detect\$3 or determin\$3 or monitor\$3) with (fault\$1 or failure) with (increas\$3 near3 (rate or speed))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/12/05 10:10
L9	31	8 and "370"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/12/05 10:12
L10	14	8 and "709"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/12/05 10:13
L11	72	8 and "714"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/12/05 10:13
L12	51	((detect\$3 or determin\$3 or monitor\$3) with (fault\$1 or error or failure) with (splitt\$3 or demultiplex\$3)) and (aircraft or airplane or (flight near3 entertainment))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/12/05 10:15

## EAST Search History

L13	1064	((detect\$3 or determin\$3 or monitor\$3) with (fault\$1 or error or failure) with (splitt\$3 or demultiplex\$3 or switch\$3)) and (aircraft or airplane or (flight near3 entertainment))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/12/05 10:16
L14	23	((detect\$3 or determin\$3 or monitor\$3) with (fault\$1 or error or failure) with (splitt\$3 or demultiplex\$3 or switch\$3)) and (arinc)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/12/05 10:23
L15	14	("4642480"   "4745597"   "4821319"   "5138615"   "5140585"   "5223806"   "5283789"   "5361091"   "5392285"   "5394402"   "5528582"   "5539880"   "5568484"   "5592540").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/05 10:21
L16	4	("5923743").URPN.	USPAT	OR	ON	2007/12/05 10:23
L17	20	((detect\$3 or determin\$3 or monitor\$3) with (fault\$1 or error or failure) with (splitt\$3 or demultiplex\$3 or switch\$3)) and (adb)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/12/05 10:24
L18	22	(detect\$3 or determin\$3 or monitor\$3) with (fault\$1 or error or failure) and (adb) and (area near3 box)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/12/05 10:29
L19	447	(detect\$3 or determin\$3 or monitor\$3) with (fault\$1 or error or failure) and (arinc)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/12/05 10:38
L20	365	19 and (rate or speed)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/12/05 10:30
L22	81	20 and (aeronautical near3 radio)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/12/05 10:32
L23	2	(determin\$3 with fault\$1 with split\$4).clm.	US-PGPUB	OR	ON	2007/12/05 10:38
S1	5853	(fault or error or failure) same (multiplexor or splitter)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/10/19 10:36
S3	578	((switch\$3 or chang\$3 or choos\$3) with (multiplexor or splitter)) same (fault or error or failure)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/02/12 13:03

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S6	2176	(fault or error or failure) with (multiplexor or splitter)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/02/14 17:19
S44	1	"5978353".PN.	USPAT	OR	ON	2004/02/14 14:01
S66	18884	((detect\$3 or determin\$3 or decid\$3 or monitor\$3) near3 (fault or error or failure)) same (alternat\$3 or back\$1up or protecti\$3 or spar\$3)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/07/06 16:58
S67	12272	((((detect\$3 or determin\$3 or decid\$3 or monitor\$3) near3 (fault or error or failure)) same (alternat\$3 or back\$1up or protecti\$3 or spar\$3) ) and @ad<"19990302"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/02/17 17:02
S72	26	"4713809"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/07/27 13:44
S73	10	"5710764"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/07/27 13:44
S74	3342	(locat\$3 or determin\$3) same (fault or error or failure or defective) same acknowledg\$6	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/02 11:01
S75	30883	(locat\$3 or determin\$3) same (fault or error or failure or defective) same switch\$3	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/02 11:04
S76	683	((locat\$3 or determin\$3) same (fault or error or failure or defective) same acknowledg\$6) and ((locat\$3 or determin\$3) same (fault or error or failure or defective) same switch\$3)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/02 10:50
S77	201	((((locat\$3 or determin\$3) same (fault or error or failure or defective) same acknowledg\$6) and ((locat\$3 or determin\$3) same (fault or error or failure or defective) same switch\$3)) and "370"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/02 14:53
S78	626	(locat\$3 or determin\$3) with (fault\$1 or error or failure or defective) with acknowledg\$6	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/02 14:51

## EAST Search History

S79	203	((locat\$3 or determin\$3) with (fault\$1 or error or failure or defective) with acknowledg\$6) and ((fault or error or failure or defective) same switch\$3)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/02 14:52
S80	2263	(fault\$1 or failure or defective) with acknowledg\$6	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/02 15:31
S81	699	((fault\$1 or failure or defective) with acknowledg\$6) and ((fault or failure or defective) same switch\$3)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/02 14:52
S82	170	((((fault\$1 or failure or defective) with acknowledg\$6) and ((fault or failure or defective) same switch\$3)) and "370"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/02 14:56
S83	349	(fault\$1 or failure or defective) with splitter	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/02 15:51
S84	28	((fault\$1 or failure or defective) with splitter) and (acknowledg\$6)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/02 15:51
S85	221	((fault\$1 or failure or defective) with splitter) and switch\$3	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/02 15:52
S86	34	((((fault\$1 or failure or defective) with splitter) and switch\$3) and "370"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/02 15:46
S87	7	((((fault\$1 or failure or defective) with splitter) and switch\$3) and "714"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/02 15:48
S88	17	((((fault\$1 or failure or defective) with splitter) and switch\$3) and "379"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/02 15:48
S89	2278	(fault\$1 or failure or defective) with split\$4	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/02 15:51
S90	124	((fault\$1 or failure or defective) with split\$4) and (acknowledg\$6)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/02 15:51

## EAST Search History

S91	92	((((fault\$1 or failure or defective) with split\$4) and (acknowledg\$6)) and switch\$3	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/02 18:17
S92	13583	(locat\$3 or determin\$3 or detect\$3) with (fault\$1 or failure or defective) with (splitter or router or switch or hub or node)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/02 18:25
S93	2220	((locat\$3 or determin\$3 or detect\$3) with (fault\$1 or failure or defective) with (splitter or router or switch or hub or node) ) and ring	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/02 18:23
S94	150766	(locat\$3 or determin\$3 or detect\$3) with (fault\$1 or failure or defective)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/02 18:26
S95	788	((locat\$3 or determin\$3 or detect\$3) with (fault\$1 or failure or defective) ) and (acknowledgement same (fault\$1 or failure or defective))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/02 18:27
S96	212	((((locat\$3 or determin\$3 or detect\$3) with (fault\$1 or failure or defective) ) and (acknowledgement same (fault\$1 or failure or defective)) ) and "370"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/02 18:42
S97	792	((((locat\$3 or determin\$3 or detect\$3) with (fault\$1 or failure or defective) ) and (acknowledgement same (fault\$1 or failure or defective)) )	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/03 11:29
S98	71	(((((locat\$3 or determin\$3 or detect\$3) with (fault\$1 or failure or defective) ) and (acknowledgement same (fault\$1 or failure or defective)) ) ) and 370/216-228, 242-252.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/03 11:48
S99	509	(((((locat\$3 or determin\$3 or detect\$3) with (fault\$1 or failure or defective) ) and (acknowledgement same (fault\$1 or failure or defective)) ) ) and (central or broadcast\$3)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/03 11:52
S10 0	136	(((((locat\$3 or determin\$3 or detect\$3) with (fault\$1 or failure or defective) ) and (acknowledgement same (fault\$1 or failure or defective)) ) ) and (central or broadcast\$3)) and "714"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/03 16:29

## EAST Search History

S10 1	3	("3248697"   "3711829"   "3732541").PN.	USPAT	OR	ON	2004/08/03 11:52
S10 2	11	"3790769".URPN.	USPAT	OR	ON	2004/08/03 11:53
S10 3	32206	(locat\$3 or determin\$3 or detect\$3) with (fault\$1 or failure or defective) with (terminal or device or interface or equipment)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/03 17:17
S10 4	1	"4868818".PN. and ring	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/03 16:37
S10 5	14283	(locat\$3 or determin\$3 or detect\$3) with (fault\$1 or failure or defective) with (node or switch or router or hub or bridge or splitter)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/03 16:37
S10 6	2321	((locat\$3 or determin\$3 or detect\$3) with (fault\$1 or failure or defective) with (node or switch or router or hub or bridge or splitter)) and ring	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/03 16:37
S10 7	78	((locat\$3 or determin\$3 or detect\$3) with (fault\$1 or failure or defective) with (node or switch or router or hub or bridge or splitter)) and ring) and ((acknowledgement or ACK or nack) same (fault\$1 or failure or defective))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/03 16:39
S10 8	16	((locat\$3 or determin\$3 or detect\$3) with (fault\$1 or failure or defective) with (node or switch or router or hub or bridge or splitter)) and ring) and ((acknowledgement or ACK or nack) same (fault\$1 or failure or defective))) and "714"/\$. ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/03 17:21
S10 9	161130	(locat\$3 or determin\$3 or detect\$3 or identif\$5) with (fault\$1 or failure or defective)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/03 17:31
S11 0	2410	((locat\$3 or determin\$3 or detect\$3 or identif\$5) with (fault\$1 or failure or defective) ) and ((poll\$3 or acknowledgement) same (fault\$1 or failure or defective))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/03 17:31

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S11 1	761	((((locat\$3 or determin\$3 or detect\$3 or identif\$5) with (fault\$1 or failure or defective) ) and ((poll\$3 or acknowledgement) same (fault\$1 or failure or defective))) and (cable or catv)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/03 17:31
S11 2	143	((((locat\$3 or determin\$3 or detect\$3 or identif\$5) with (fault\$1 or failure or defective) ) and ((poll\$3 or acknowledgement) same (fault\$1 or failure or defective))) and (cable or catv)) and "714"/\$. ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/03 17:22
S11 3	9074	(locat\$3 or determin\$3 or detect\$3 or identif\$5) with (fault\$1 or failure or defective) with (terminal or station)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/03 17:31
S11 4	310	((locat\$3 or determin\$3 or detect\$3 or identif\$5) with (fault\$1 or failure or defective) with (terminal or station) ) and ((poll\$3 or acknowledgement) same (fault\$1 or failure or defective))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/03 17:43
S11 5	112	((((locat\$3 or determin\$3 or detect\$3 or identif\$5) with (fault\$1 or failure or defective) with (terminal or station) ) and ((poll\$3 or acknowledgement) same (fault\$1 or failure or defective))) and (cable or catv)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/03 17:31
S11 6	39396	(locat\$3 or determin\$3 or detect\$3 or identif\$5) with (fault\$1 or failure or defective) with (station or terminal or node or device or equipment or interface)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/03 17:56
S11 7	1217	((locat\$3 or determin\$3 or detect\$3 or identif\$5) with (fault\$1 or failure or defective) with (station or terminal or node or device or equipment or interface)) and ((poll\$3 or ack or nack or acknowledgement) same (fault\$1 or failure or defective))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/03 17:57

## EAST Search History

S11 8	576	((locat\$3 or determin\$3 or detect\$3 or identif\$5) with (fault\$1 or failure or defective) with (station or terminal or node or device or equipment or interface)) and ((poll\$3 or ack or nack or acknowledgement) same (fault\$1 or failure or defective)) ) and (switch\$3 same (fault\$1 or failure or defective))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/03 17:57
S11 9	172	((((locat\$3 or determin\$3 or detect\$3 or identif\$5) with (fault\$1 or failure or defective) with (station or terminal or node or device or equipment or interface)) and ((poll\$3 or ack or nack or acknowledgement) same (fault\$1 or failure or defective)) ) and (switch\$3 same (fault\$1 or failure or defective)) ) and "370"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/04 10:37
S12 0	1175	((locat\$3 or determin\$3 or detect\$3 or identif\$5) with (fault\$1 or failure or defective)) and ((ack or nack or acknowledgement) same (fault\$1 or failure or defective))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/04 11:40
S12 1	424	((locat\$3 or determin\$3 or detect\$3 or identif\$5) with (fault\$1 or failure or defective)) and ((ack or nack or acknowledgement) same (fault\$1 or failure or defective)) ) and (switch\$3 same (fault\$1 or failure or defective))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/04 11:46
S12 2	161	((((locat\$3 or determin\$3 or detect\$3 or identif\$5) with (fault\$1 or failure or defective)) and ((ack or nack or acknowledgement) same (fault\$1 or failure or defective)) ) and (switch\$3 same (fault\$1 or failure or defective)) ) and "370"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/04 11:12
S12 3	55	(((((locat\$3 or determin\$3 or detect\$3 or identif\$5) with (fault\$1 or failure or defective)) and ((ack or nack or acknowledgement) same (fault\$1 or failure or defective)) ) and (switch\$3 same (fault\$1 or failure or defective)) ) and "370"/\$.ccls.) and (cable or catv)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/04 11:12



## EAST Search History

S12 4	107	(((((locat\$3 or determin\$3 or detect\$3 or identif\$5) with (fault\$1 or failure or defective)) and ((ack or nack or acknowledgement) same (fault\$1 or failure or defective)) ) and (switch\$3 same (fault\$1 or failure or defective)) ) and "714"/\$. ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/04 11:13
S12 5	36	(((((locat\$3 or determin\$3 or detect\$3 or identif\$5) with (fault\$1 or failure or defective)) and ((ack or nack or acknowledgement) same (fault\$1 or failure or defective)) ) and (switch\$3 same (fault\$1 or failure or defective)) ) and "714"/\$. ccls.) and (cable or catv)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/04 11:12
S12 6	36	(((((locat\$3 or determin\$3 or detect\$3 or identif\$5) with (fault\$1 or failure or defective)) and ((ack or nack or acknowledgement) same (fault\$1 or failure or defective)) ) and (switch\$3 same (fault\$1 or failure or defective)) ) and "340"/\$. ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/04 11:18
S12 7	44	(((((locat\$3 or determin\$3 or detect\$3 or identif\$5) with (fault\$1 or failure or defective)) and ((ack or nack or acknowledgement) same (fault\$1 or failure or defective)) ) and (switch\$3 same (fault\$1 or failure or defective)) ) and "709"/\$. ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/04 11:41
S12 8	889	((locat\$3 or determin\$3 or detect\$3 or identif\$5) same (fault\$1 or failure or defective) same (poll\$3 or ack or nack or acknowledgement) ) and (switch\$3 same (fault\$1 or failure or defective))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/04 12:02
S12 9	4867	(fault\$1 or failure or defective) same (poll\$3 or ack or nack or acknowledgement)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/04 11:48
S13 0	2412	(fault\$1 or failure or defective) with (poll\$3 or ack or nack or acknowledgement)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/04 14:47
S13 1	30939	(fault\$1 or failure or defective) with locat\$3	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/04 11:50

## EAST Search History

S13 2	416	((fault\$1 or failure or defective) with (poll\$3 or ack or nack or acknowledgement) ) and ((fault\$1 or failure or defective) with locat\$3 )	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/04 11:57
S13 3	80	((fault\$1 or failure or defective) with (poll\$3 or ack or nack or acknowledgement) ) and ((fault\$1 or failure or defective) with locat\$3 )) and "370"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/04 14:48
S13 4	103	((fault\$1 or failure or defective) with (poll\$3 or ack or nack or acknowledgement) ) and ((fault\$1 or failure or defective) with locat\$3 )) and "714"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/04 11:56
S13 5	29	((fault\$1 or failure or defective) with (poll\$3 or ack or nack or acknowledgement) ) and ((fault\$1 or failure or defective) with locat\$3 )) and "709"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/04 11:56
S13 6	50	((fault\$1 or failure or defective) with (poll\$3 or ack or nack or acknowledgement) ) and ((fault\$1 or failure or defective) with locat\$3 )) and "340"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/04 11:56
S13 7	67	((fault\$1 or failure or defective) with (poll\$3 or ack or nack or acknowledgement) ) and sonet	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/04 11:57
S13 8	694	((fault\$1 or failure or defective) with (poll\$3 or ack or nack or acknowledgement) ) and ((locat\$3 or determin\$3 or detect\$3 or identif\$5) with (fault\$1 or failure or defective) with (station or terminal or interface or equipment or device or node))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/04 12:47
S13 9	519	((fault\$1 or failure or defective) with (poll\$3 or ack or nack or acknowledgement) ) and ((locat\$3 or determin\$3 or detect\$3 or identif\$5) with (fault\$1 or failure or defective) with (station or terminal or interface or equipment or device or node))) and switch\$3	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/04 12:56

## EAST Search History

S14 0	185	(((((fault\$1 or failure or defective) with (poll\$3 or ack or nack or acknowledgement) ) and ((locat\$3 or determin\$3 or detect\$3 or identif\$5) with (fault\$1 or failure or defective) with (station or terminal or interface or equipment or device or node)))) and switch\$3) and (cable or catv))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/04 12:58
S14 1	57	(((((fault\$1 or failure or defective) with (poll\$3 or ack or nack or acknowledgement) ) and ((locat\$3 or determin\$3 or detect\$3 or identif\$5) with (fault\$1 or failure or defective) with (station or terminal or interface or equipment or device or node)))) and switch\$3) and (cable or catv)) and "370"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/04 13:45
S14 2	40	(((((fault\$1 or failure or defective) with (poll\$3 or ack or nack or acknowledgement) ) and ((locat\$3 or determin\$3 or detect\$3 or identif\$5) with (fault\$1 or failure or defective) with (station or terminal or interface or equipment or device or node)))) and switch\$3) and (cable or catv)) and "714"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/04 15:27
S14 3	2412	(fault\$1 or failure or defective) with (poll\$3 or ack or nack or acknowledgement)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/04 15:28
S14 4	210	((fault\$1 or failure or defective) with (poll\$3 or ack or nack or acknowledgement) ) and (link near3 (failure or fault\$1))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/04 15:30
S14 5	111	((fault\$1 or failure or defective) with (poll\$3 or ack or nack or acknowledgement) ) and (link near3 (failure or fault\$1)) ) and ((terminal or station or equipment or node or device) near3 (fault\$1 or failure or defective))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/04 15:30
S14 6	55	((fault\$1 or failure or defective) with (poll\$3 or ack or nack or acknowledgement) ) and (link near3 (failure or fault\$1)) ) and ((link near3 (failure or fault\$1)) same (terminal or station or equipment or node or device) near3 (fault\$1 or failure or defective))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/04 15:40

## EAST Search History

S14 7	380	(determin\$3 or detect\$3 or locat\$3 or identif\$5) with ((link near3 (failure or fault\$1 or broke\$1)) with (terminal or station or equipment or node or device) near3 (fault\$1 or failure or defective))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/04 15:40
S14 8	461	(determin\$3 or detect\$3 or locat\$3 or identif\$5) with ((link or interface) near3 (failure or fault\$1 or broke\$1)) with ((terminal or station or equipment or node or device) near3 (fault\$1 or failure or defective))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/04 16:12
S14 9	225	((determin\$3 or detect\$3 or locat\$3 or identif\$5) with ((link or interface) near3 (failure or fault\$1 or broke\$1)) with ((terminal or station or equipment or node or device) near3 (fault\$1 or failure or defective))) and "370"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/04 15:59
S15 0	105	((determin\$3 or detect\$3 or locat\$3 or identif\$5) with ((link or interface) near3 (failure or fault\$1 or broke\$1)) with ((terminal or station or equipment or node or device) near3 (fault\$1 or failure or defective))) and "370"/\$.ccls.) and (cable or catv)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/04 15:49
S15 1	88	((determin\$3 or detect\$3 or locat\$3 or identif\$5) with ((link or interface) near3 (failure or fault\$1 or broke\$1)) with ((terminal or station or equipment or node or device) near3 (fault\$1 or failure or defective))) and "714"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/04 16:07
S15 2	62	((determin\$3 or detect\$3 or locat\$3 or identif\$5) with ((link or interface) near3 (failure or fault\$1 or broke\$1)) with ((terminal or station or equipment or node or device) near3 (fault\$1 or failure or defective))) and "709"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/04 16:07
S15 3	67	(determin\$3 or detect\$3 or locat\$3 or identif\$5) with ((link or interface) near3 (failure or fault\$1 or broke\$1)) with ((terminal or station or equipment or node or device) near3 (fault\$1 or failure or defective)) with (switch or router or hub or splitter or bridge or de\$1multiplex\$3)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/04 16:14

## EAST Search History

S15 4	232	splitter same (bit adj1 rate)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/04 17:35
S15 5	181	((modif\$5 or updat\$3) same (rout\$3 or switch\$3) same table same address) same (fault or failure)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/05 11:09
S15 6	65	((modif\$5 or updat\$3) same (rout\$3 or switch\$3) same table same address) same (fault or failure)) and "370"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/08/05 12:13
S15 7	383698	(detect\$3 or determin\$3 or monitor\$3) with (fault\$3 or error or fail\$3)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/05/11 14:36
S15 8	7795	(detect\$3 or determin\$3 or monitor\$3) same (fault\$3 or error or fail\$3) same (ack or acknowledg\$6)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/05/11 15:14
S15 9	397	S158 and cascad\$3	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/05/11 14:37
S16 0	30	S158 and 370/228.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/05/11 15:52
S16 1	25	S158 and 370/217.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/05/11 17:05
S16 2	17	S158 and 370/218.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/05/11 17:05
S16 3	7804	(detect\$3 or determin\$3 or monitor\$3) same (fault\$3 or error or fail\$3) same (ack or acknowledg\$6)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/05/12 13:24
S16 4	7	S163 and 370/219.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/05/12 13:03
S16 5	64	S163 and 370/220-225.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/05/12 13:24

## EAST Search History

S16 6	30	S163 and 370/228.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/05/12 13:24
S16 7	1000	(detect\$3 or determin\$3 or monitor\$3) same ((fault\$3 or error or fail\$3) with (path or connection or link)) same (ack or acknowledg\$6)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/05/12 13:25
S16 8	460	S167 and "370"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/05/12 13:25
S16 9	7804	(detect\$3 or determin\$3 or monitor\$3) same (fault\$3 or error or fail\$3) same (ack or acknowledg\$6)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/05/15 19:25
S17 0	3781	(detect\$3 or determin\$3 or monitor\$3) same (fault\$3 or defect\$3 fail\$3) same (ack or acknowledg\$6)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/05/15 19:27
S17 1	2626	S170 and (switch\$3)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/05/15 19:30
S17 2	89	S171 and 370/217-225,228.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/05/15 19:46
S17 3	61	S171 and 370/242-245,248-250.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/05/15 20:13
S17 4	11	S171 and 370/419,420-423.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/05/15 20:15
S17 5	90	S171 and 370/360,400,401,402,403,307,408.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/05/15 20:45
S17 6	12774	(fault\$3 or fail\$3) same (multiplex\$3 or splitter or splitting)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/10/19 10:38
S17 7	1547	S176 and (acknowledg\$6 or ack)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/10/19 10:42

## EAST Search History

S17 8	9514	(acknowledg\$6 or ack) same (fault\$3 or fail\$5)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/10/19 11:04
S17 9	134	S178 and 370/217-225.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/10/19 13:32
S18 0	9514	(acknowledg\$6 or ack) same (fault\$3 or fail\$5)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/10/19 14:36
S18 1	134	S180 and 370/217-225.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/10/19 13:33
S18 3	116	S180 and 370/242,244,245,248, 249.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/10/19 13:38
S18 4	33	S180 and 370/419,420-423.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/10/19 14:31
S18 5	251	S180 and 370/360,400,401,403, 407,408.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/10/19 14:36
S18 6	3667	(detect\$3 or determin\$3) same (acknowledg\$6 or ack) same (fault\$3 or fail\$5)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/10/24 13:14
S19 0	172808	(detect\$3 or determin\$3) with (fault\$3 or fail\$5)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/10/24 13:15
S19 1	961	(detect\$3 or determin\$3) with (fault\$3 or fail\$5) with (ack or acknowledg\$6)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/10/31 10:06
S19 2	276	S191 and "370"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/10/24 14:35
S19 3	9	"5717878"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/10/24 13:23

## EAST Search History

S19 4	10	"5724343"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/10/24 13:23
S19 7	3685	(detect\$3 or determin\$3) same (fault\$3 or fail\$5) same (ack or acknowledg\$6)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/10/31 11:24
S19 8	964	(detect\$3 or determin\$3) with (fault\$3 or fail\$5) with (ack or acknowledg\$6)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/10/31 11:52
S19 9	964	(detect\$3 or determin\$3) with (fault\$3 or fail\$5) with (ack or acknowledg\$6)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/11/02 13:29
S20 2	3689	(detect\$3 or determin\$3) same (fault\$3 or fail\$5) same (ack or acknowledg\$6)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/11/03 14:15
S20 3	1212	S202 and ((table or database or memory) with address)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/11/02 14:44
S20 4	298	S199 and ((table or database or memory) with address)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/11/02 13:31
S20 5	280	S203 and (switch\$3 with (fault\$3 or fail\$6))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/11/02 14:47
S20 6	168	S205 and (cascade or series)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/11/02 14:48
S20 7	3327	370/217-224,242-250.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/11/02 15:01
S20 8	650	S207 and (acknowledg\$6 or ack)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/11/02 15:01
S20 9	179	S208 and ((table or database or memory) with address)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/11/02 15:02



## EAST Search History

S21 0	14837	(detect\$3 or determin\$3) with (fault\$3 or fail\$5) with (link or path or connection)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/11/07 13:24
S21 3	1260	S210 and (table with address)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/11/03 15:37
S21 6	131	S213 and ((acknowledg\$6 or ack) with (fault\$3 or fail\$5))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/11/03 16:19
S21 7	173639	(detect\$3 or determin\$3) with (fault\$3 or fail\$5)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/11/07 13:32
S21 8	4384	S217 and ((acknowledg\$6 or ack) same (fault\$3 or fail\$6))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/11/07 13:25
S21 9	3666	(detect\$3 or determin\$3) same (fault\$3 or fail\$5) same (acknowledg\$5 or ack)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/11/07 13:33
S22 0	1824	S219 and (cascade or series or chain)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/11/07 13:33
S22 1	60	S220 and 370/217-224,228,242, 244,245,248,419-423.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/11/07 14:27
S22 2	38	"5327427"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/11/07 14:37
S22 4	3666	(detect\$3 or determin\$3) same (fault\$3 or fail\$5) same (acknowledg\$5 or ack)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/11/07 16:25
S22 5	154	S224 and (ring and (cascade or seried or chain))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/11/07 16:27
S22 6	173727	(determin\$3 or detect\$3) with (fault\$3 or fail\$6)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/11/08 11:36

## EAST Search History

S22 7	23363	S226 and ring	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/11/08 10:50
S22 8	13711	S227 and (cascade or series or chain)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/11/08 11:37
S22 9	2981	S227 and (ring same (cascade or series or chain))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/11/08 10:51
S23 0	392	S229 and (acknowledg\$6 or ack)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/11/08 10:51
S23 1	112	S230 and "370"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/11/08 11:37
S23 2	4214	(determin\$3 or detect\$3) same (fault\$3 or fail\$6) same ring	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/11/08 11:36
S23 3	1918	S232 and (cascade or series or chain)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/11/08 11:37
S23 4	315	S233 and "370"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/11/08 11:37
S23 5	1564	splitter with rate	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/07/07 14:20
S23 6	283	S235 and ((detect\$3 or determin\$3 or monitor\$3) with (fault or error or failure))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/07/07 14:21
S23 7	57270	switch\$2 with rate	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/07/07 14:21
S23 8	10969	S237 and ((detect\$3 or determin\$3 or monitor\$3) with (fault or error or failure))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/07/07 14:23

## EAST Search History

S25 0	3175	S247 and (rate with (splitter or de\$1multiplex\$3 or multiplex\$3 or switch))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/07/10 06:40
S25 1	132	S250 AND (star)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/07/10 06:40
S25 2	376	((detect\$3 or determin\$3 or monitor\$3) with (fault or error or fail\$3)) and arinc	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/07/10 07:09
S25 3	276	S252 and rate	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/07/10 07:11
S25 4	19	S253 and (star)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/07/10 07:07
S25 5	10	S253 and ife	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/07/10 06:53
S25 6	10	S253 and adb	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/07/10 07:07
S25 8	14	((detect\$3 or determin\$3 or monitor\$3) with (fault or error or fail\$3)) and (area adj1 distribution adj1 box) and adb	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/07/10 07:13
S25 9	13	S258 and rate	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/07/10 07:11

## EAST Search History

S23 9	4828	S238 and distribut\$3	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/07/07 14:22
S24 0	1833	S238 and (acknowledg\$6)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/07/07 14:23
S24 1	556	S237 and ((detect\$3 or determin\$3 or monitor\$3) same (fault or error or failure) same acknowledg\$7)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/07/07 16:10
S24 2	274	S241 and "370"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/07/07 14:47
S24 3	394	S241 and (star or distribut\$3)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/07/07 14:58
S24 4	2212	((detect\$3 or determin\$3 or monitor\$3) with (fault or error or failure) with acknowledg\$7)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/07/10 06:22
S24 5	208	((detect\$3 or determin\$3 or monitor\$3) same (fault or error or failure) same acknowledg\$7 same (splitter or de\$1multiplex\$3 or multiplex\$3))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/12/05 08:57
S24 6	154	S245 and rate	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/07/10 06:50
S24 7	27946	((detect\$3 or determin\$3 or monitor\$3) with (fault or error or fail\$3) with (splitter or de\$1multiplex\$3 or multiplex\$3 or switch))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/07/10 06:49
S24 8	387	S247 and ((detect\$3 or determin\$3 or monitor\$3) same (fault or error or failure) with acknowledg\$7)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/07/10 06:26
S24 9	50	S248 and (rate with (splitter or de\$1multiplex\$3 or multiplex\$3 or switch))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/07/10 06:40